

IN THE CLAIMS

1. (Currently Amended) A system for generating an executable procedure, comprising:

a repository including spreadsheet representative data, said spreadsheet representative data including stored data elements comprising individual data items determining characteristics of an executable procedure implementing a function exclusive of a function implemented by said spreadsheet;

an executable application for parsing and processing said spreadsheet representative data to provide an executable procedure with characteristics determined by said individual data items and implementing a function for use in processing data using said individual data items to provide processed data for output; and

a command processor for initiating execution of said executable procedure in response to user command.

2. (Currently Amended) A system according to claim 1, wherein

said executable procedure processes data in a database using said data elements to provide updated data for storage in said database, said executable procedure processes data exclusively in said database and external to said spreadsheet.

3. (Original) A system according to claim 1, wherein

said executable procedure characteristics determined by said data elements comprise at least one of, (a) programming language structural features, (b) structure of sub-procedures in said executable procedure and (c) a process performed by a sub-procedure in said executable procedure.

4. (Original) A system according to claim 1, wherein

said executable application processes said spreadsheet representative data to provide an executable procedure for updating a data item in a database using one of said data elements to replace a prior corresponding data element of a predetermined computation formula.

5. (Currently Amended) A system according to claim 4, wherein

said prior corresponding data element of said predetermined computation formula comprises at least one of, (a) a factor used as a multiplier in said computation formula, (b) a constant in said computation formula, (c) a threshold value identifying whether said computation formula applies, (d) a threshold value identifying whether a portion of said computation formula applies.

6. (Original) A system according to claim 1, wherein
said executable application processes said spreadsheet representative data to provide an executable procedure by updating a data item in said database by replacing said data item with one of said data elements.

7. (Original) A system according to claim 1, wherein
said executable application is a Script for generating programming language code comprising code in at least one of, (a) C++, (b) Java, (c) HTML, (d) XML and (e) SGML.

8. (Currently Amended) A system for updating data items in a database,
comprising:

a repository including spreadsheet representative data, said spreadsheet representative data including stored data elements comprising individual data items determining characteristics of an executable procedure implementing a computation formula exclusive of a computation formula implemented by said spreadsheet;

an executable application for parsing and processing said spreadsheet representative data to provide an executable procedure for updating a data item in a database using one of said individual data items to replace a prior corresponding individual data item of a predetermined computation formula to provide an updated computation formula, exclusive of a computation formula implemented by said spreadsheet, for use in processing data using said individual data items to provide processed data for output; and

a command processor for initiating execution of said executable procedure in response to user command.

9. (Currently Amended) A system according to claim 8, wherein
said execution of said executable procedure re-computes a value of said data item using said updated computation formula and updates said data item in said database with said re-computed value and
said executable procedure processes data external to data in said spreadsheet.

10. (Currently Amended) A system for generating an executable procedure,
comprising:

a repository including spreadsheet representative data, said spreadsheet representative data including stored data elements comprising individual data items determining characteristics of an executable procedure implementing a computation formula exclusive of a computation formula implemented by said spreadsheet;

an executable application for parsing and processing said spreadsheet representative data to provide an executable procedure and implementing a function for updating a data value in a database by

using one of said individual data items to replace a prior corresponding individual data item of a predetermined computation formula to provide an updated computation formula, exclusive of a computation formula implemented by said spreadsheet and

re-computing a value of said data value using said updated computation formula; and

a storage processor for updating said data value in said database with said re-computed value.

11. (Currently Amended) A processing device implemented method for generating an executable procedure, comprising the activities of:

storing spreadsheet representative data, said spreadsheet representative data including stored data elements comprising individual data items determining characteristics of an executable procedure implementing a computation formula exclusive of a computation formula implemented by said spreadsheet;

parsing and processing said spreadsheet representative data to provide an executable procedure with characteristics determined by said individual data items and implementing a function for use in processing data using said individual data items to provide processed data for output; and

initiating execution of said executable procedure in response to user command.

12. (Currently Amended) A processing device implemented method for updating data items in a database, comprising the activities:

storing spreadsheet representative data, said spreadsheet representative data including stored data elements comprising individual data items determining characteristics of an executable procedure implementing a computation formula exclusive of a computation formula implemented by said spreadsheet;

parsing and processing said spreadsheet representative data to provide an executable procedure for updating a data item in a database using one of said individual data items to replace a prior corresponding individual data item of a predetermined computation formula to provide an updated computation formula, exclusive of a computation formula implemented by said spreadsheet, for use in processing data using said individual data items to provide processed data for output; and

initiating execution of said executable procedure in response to user command.

13. (Currently Amended) A method for updating data items in a database, comprising the activities of:

storing spreadsheet representative data, said spreadsheet representative data including stored data elements comprising individual data items determining characteristics of an executable procedure implementing a computation formula exclusive of a computation formula implemented by said spreadsheet;

parsing and processing said spreadsheet representative data to provide an executable procedure and implementing a function for updating a data item in a database;

using one of said individual data items to replace a prior corresponding individual data item of a predetermined computation formula to provide an updated computation formula, exclusive of a computation formula implemented by said spreadsheet;

re-computing a value of said data value using said updated computation formula; and

updating said data value in said database with said re-computed value.